

Context Sensitive Solutions Shelby Farms Parkway





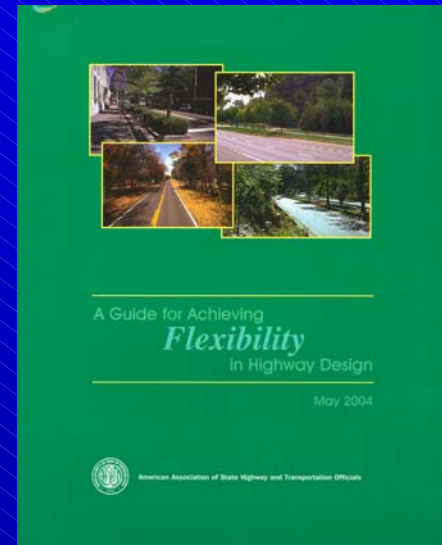
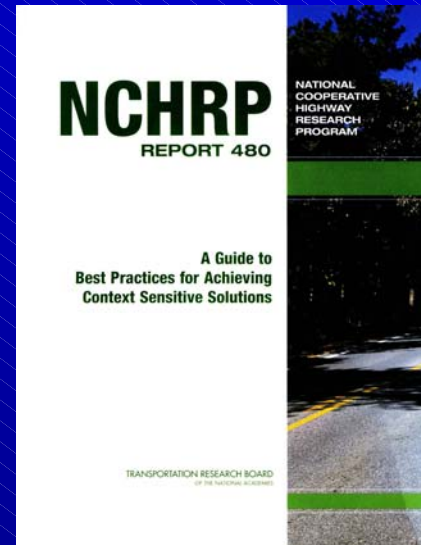
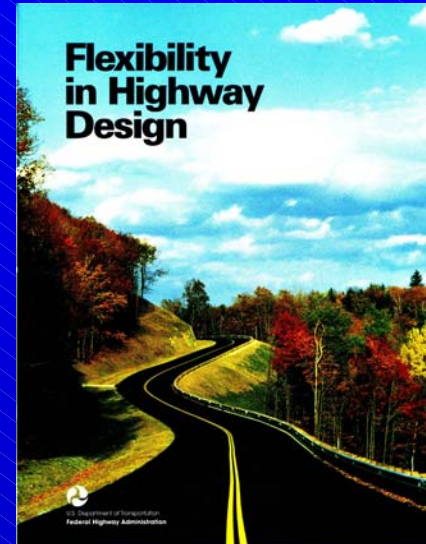
***“What are Context
Sensitive Solutions?”***

"Context sensitive design asks questions first about the need and purpose of the transportation project, and then equally addresses safety, mobility, and the preservation of scenic, aesthetic, historic, environmental, and other community values. Context sensitive design involves a collaborative, interdisciplinary approach in which citizens are part of the design team."

THINKING BEYOND THE PAVEMENT, MARYLAND STATE HIGHWAY
ADMINISTRATION WORKSHOP, 1998

Pilot States for CSS

- Connecticut
- Kentucky
- Maryland
- Minnesota
- Utah



CSS Guiding Principles

- **Open and Honest Communication**
- **Flexibility**
- **Understand the Context of the Project**
- **Tailor Process to the Project**
- **Range of Alternatives**
- **Evaluate Impacts of Alternatives**
- **Utilize Tools for Visualization**
- **Commitment from Top Agency Officials**
- **“POP” replaces “DAD”**

Quality in Highway Design

- **Safe for the User and Community**
- **In Harmony with the Community**
- **Preserves Environmental, Scenic, Aesthetic, Historic, and Natural Resource Values of the Area**
- **Exceed the Expectations of both Designers and Stakeholders**
- **Achieve a Level of Excellence**
- **Efficient and Effective Use of Resources**
- **Designed and Built with Minimal Disruption to the Community**
- **Seen as Having Added Lasting Value to the Community**

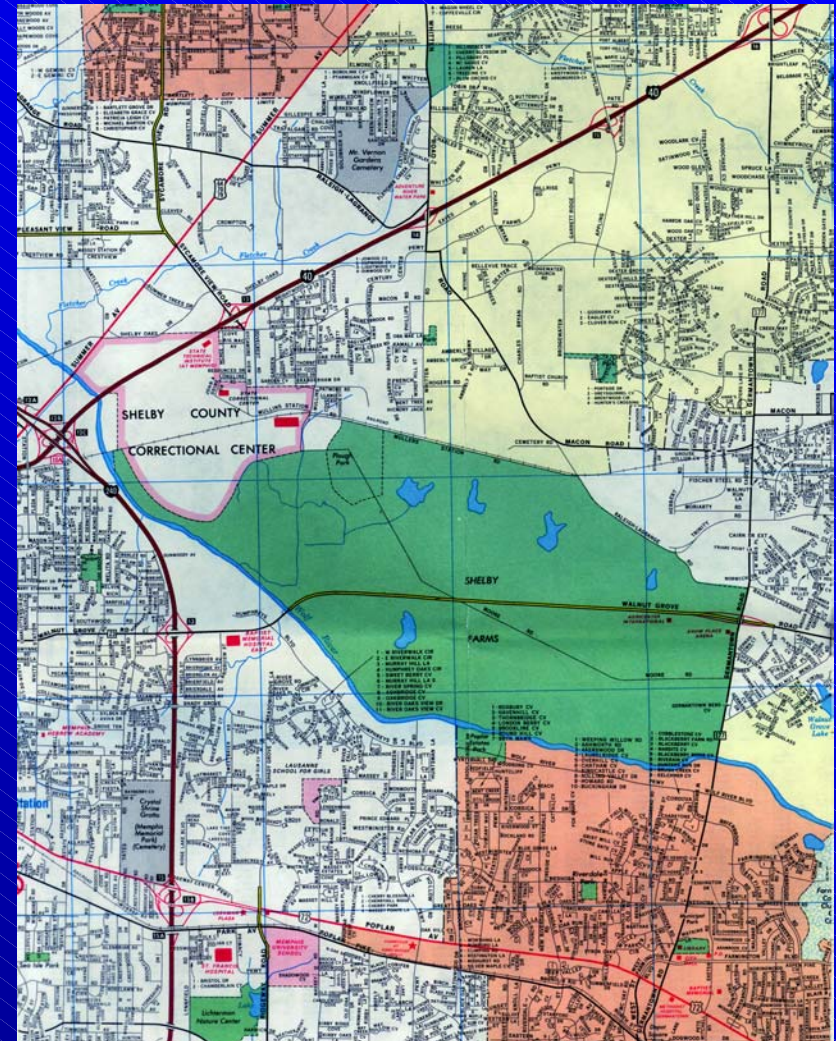
Shelby Farms Parkway

- **Facility Inventory**
 - Existing Roadway Conditions
 - Travel Time Studies
- **Context Audit**
 - Viewsheds
 - Public Usage
 - Pedestrian Activity
 - Bicycle Activity



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- **Traffic Forecasts**
 - Look at Impacts Outside of Shelby Farms
 - Coordination with Memphis MPO
 - Update TRANSCAD Model
 - Coordination with TDOT
 - Iterative Process



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- **Survey of Similar Facilities**
 - **Focus on Park Impacts**
 - **Merritt Parkway, CT**
 - **Baltimore to Washington Parkway, MD**
 - **Paris Pike, KY**
 - **KY 393, Wendell Moore Park**
 - **Other Examples from**
 - **FHWA “Flexibility in Highway Design**
 - **TRB “Best Practices in Context Sensitive Solutions”**



Shelby Farms Parkway



- **Public Involvement Plan**
 - Partnering Meeting – February 10, 2005
 - First Public Workshop – March 24, 2005
 - First Resource Team Meeting – April 28, 2005
 - Second Resource Team Meeting – June 23, 2005
 - Second Public Workshop – August 25, 2005
 - Third Resource Team Meeting – Nov. 17, 2005
 - Public Hearing – January 26, 2006




Shelby Farms Parkway

- **First Workshop (March 24, 2005)**
 - **Gather Public Opinion**
 - **Present design parameters and corridor limits**



 **STOP!!** 
Are you fed up with
New Circle Road traffic jams?



Is New Circle Road traffic congestion
affecting your business?

Then we want you to  to a

Public Information Meeting
Concerning New Circle Road NE Scoping Study

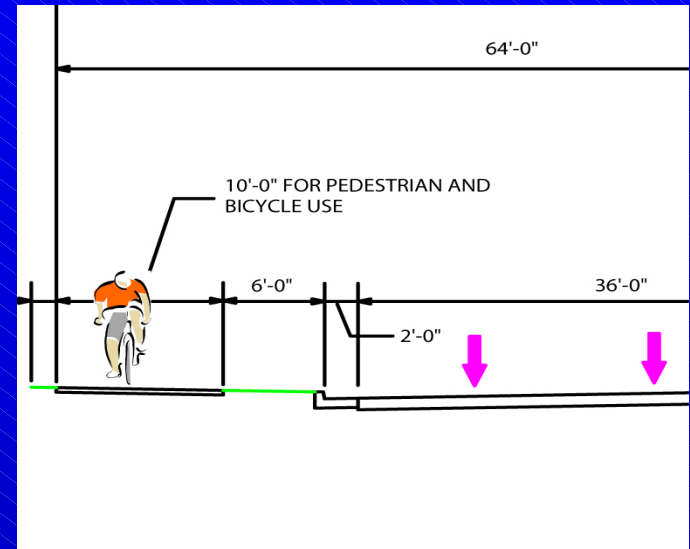
Tuesday, June 12, 2001
5:00 - 8:00 p.m.

Yates Elementary School
703 East New Circle Road
Lexington, KY

 Proceed with 

Shelby Farms Parkway

- **First Resource Team Meeting (April 28, 2005)**
 - **Discuss Issues**
 - **Connectivity**
 - **Bicycles**
 - **Pedestrians**
 - **Park Activities**
 - **Brainstorm Possible Solutions**



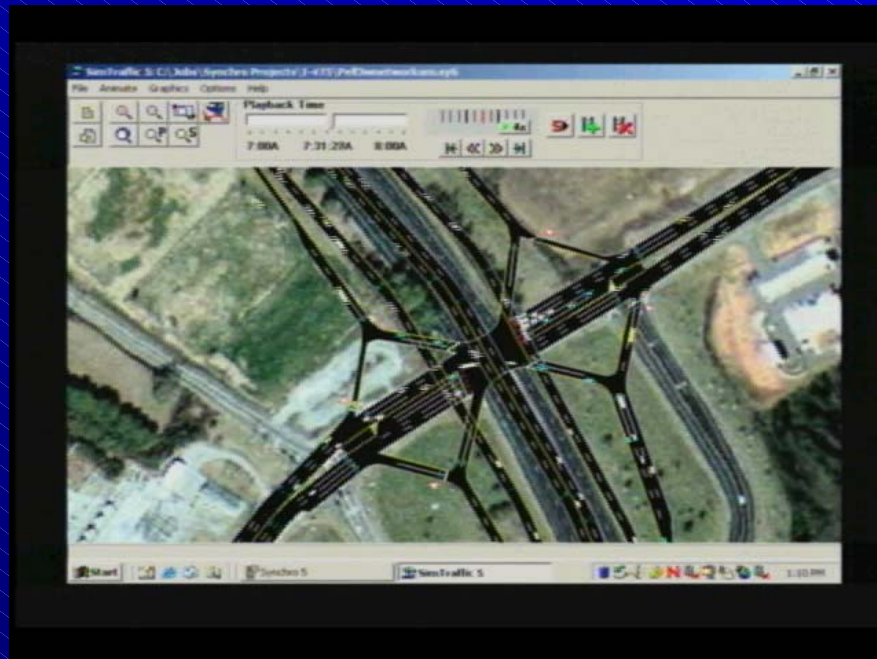
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- **Second Resource Team Meeting (June 23, 2005)**
 - **Present Possible Alternatives**
 - **Visualizations**
 - **Narrow Alternates for Final Comparison**
 - **Discuss Possible Enhancements**



Shelby Farms Parkway

- **Second Resource Team Meeting (June 23, 2005)**
 - **Discuss Traffic Forecasts**
 - **Traffic Simulations**

















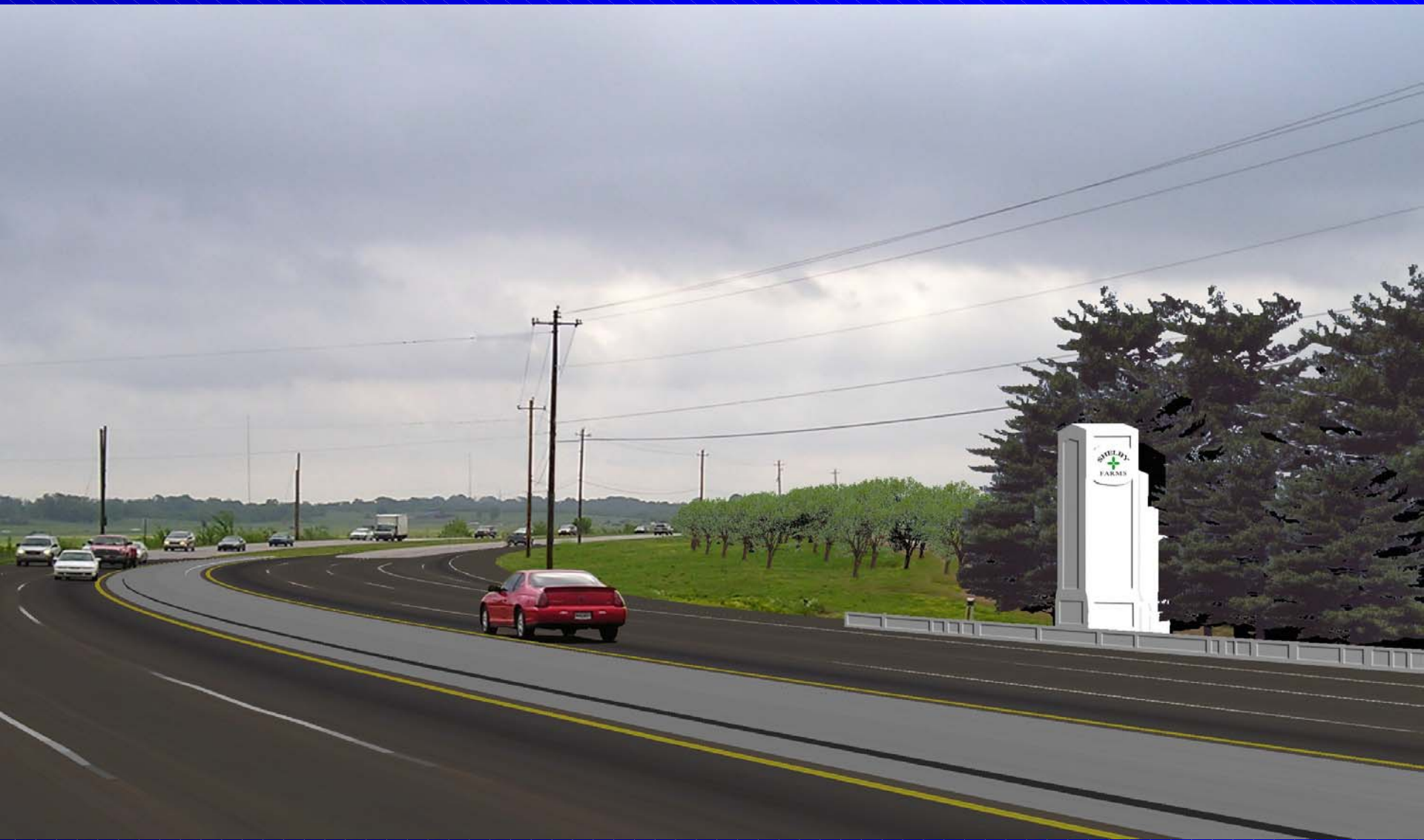






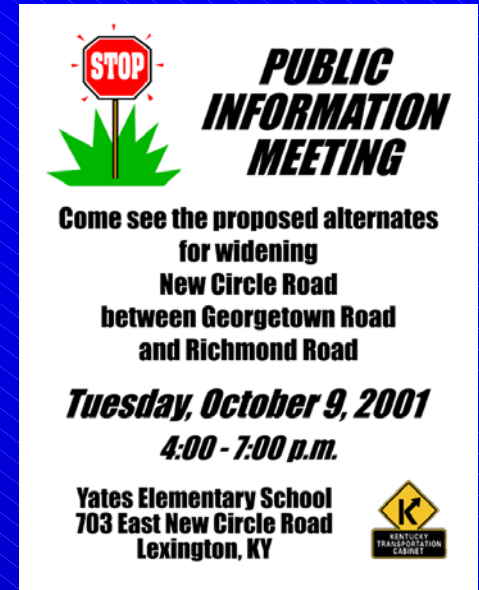






Shelby Farms Parkway

- **Second Public Workshop
(August 25, 2005)**
 - **Present potential solutions
for validation from public
before further study**
 - **View traffic simulations**
 - **Gather public input**




**PUBLIC
INFORMATION
MEETING**

STOP

**Come see the proposed alternates
for widening
New Circle Road
between Georgetown Road
and Richmond Road**

Tuesday, October 9, 2001
4:00 - 7:00 p.m.

**Yates Elementary School
703 East New Circle Road
Lexington, KY**



Shelby Farms Parkway

- **Final Resource Team Meeting (Nov. 17, 2005)**
 - **Present Decision Matrix of Impacts**
 - **Traffic Simulations**
 - **Visualizations**
 - **Reach Consensus on Recommended Alternate for Final Design**
 - **Discuss Supplemental EIS Findings**



Microsoft Excel - Martin County Decision Matrix					
File Edit View Insert Format Tools Data Window Help					
E26					
	B	C	D	E	F
1	New KY 3/ KY 645 Interchange				
2	Decision Matrix				
3					
4		Alternate 1	Alternate 2	Alternate 3	Alternate 4
5	Earthwork Cost	\$240,000	\$740,000	\$1,950,000	\$2,450,000
6	Bridge Cost	\$6,680,000	\$3,290,000	\$2,280,000	\$5,420,000
7	Paving Cost	\$1,400,000	\$1,500,000	\$1,700,000	\$1,900,000
8	Total Construction Cost	\$11,775,000	\$8,365,000	\$8,175,000	\$9,770,000
9	Right of Way Cost	\$1,100,000	\$1,160,000	\$610,000	\$1,400,000
10	Tracts Impacted	9	6	5	8
11	Residential Relocations	2	4	3	5
12	Business Relocations	1	2	0	3
13	Grave Relocations	No	Yes	Yes	Yes
14	Major Ramp Design Speed	40 mph	30 mph	30 mph	50 mph
15	Utilizes New Fill Area	No	Yes	Yes	Yes
16	Impacts Middle Creek Floodway	Yes	Yes	No	Yes
17	Maintenance of Traffic Difficulty	high	medium	low	high
18	Utilities Impacts	high	medium	low	low
19	Public Meeting Preference	Second	Fourth	Third	First
20					
21					
22					
Sheet1 / Sheet2 / paving /					
Ready					

Shelby Farms Parkway

- **Third Resource Team Meeting (Nov. 17, 2005)**

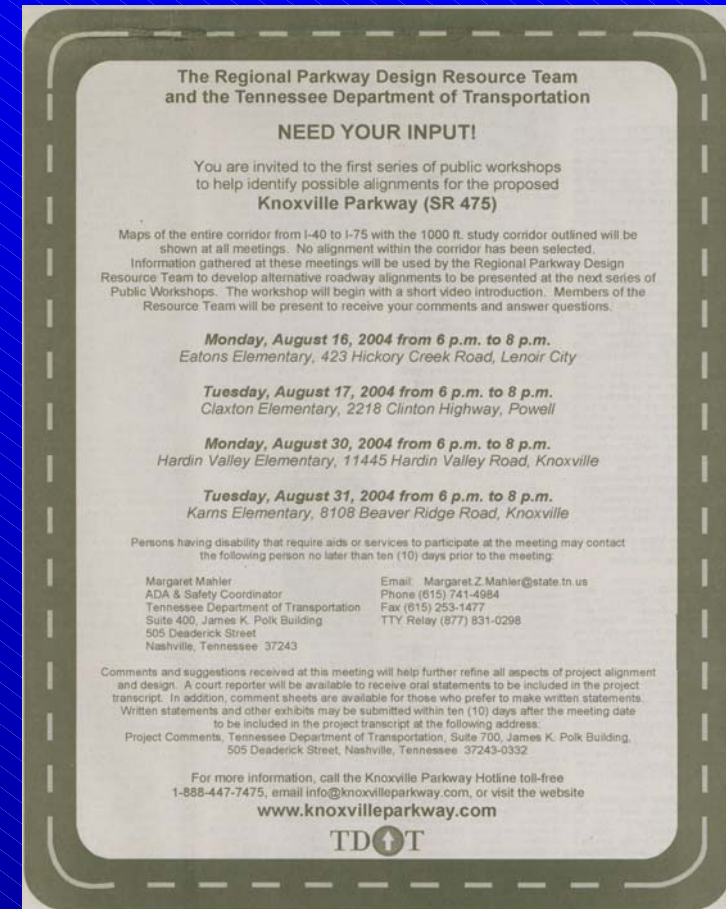
New Circle Road
Scoping Study

Focus Group
Meeting 3

January 15, 2002

Shelby Farms Parkway

- **Public Hearing
(January 26, 2006)**
 - **Present alternatives considered and Resource Teams selection for preferred alternative**
 - **Gain Public Validation of Recommendation**
 - **Simulations**
 - **Visualizations**
 - **Present Supplemental EIS**



Shelby Farms Parkway

- **Shelby County Government and City of Memphis Meeting to Adopt Recommended Alternate**
- **Document Context Sensitive Solutions Process Results**
- **Finalize Supplemental EIS**
- **Determine Need for Future Resource Team Involvement**

Resource Team Interviews

- **Years Lived in Memphis Area?**
 - **35 Years**
- **Attended Previous Public Meetings?**
 - **10 Yes 7 No**
- **Were Previous Meetings Adequately Advertised?**
 - **9 Yes 3 No 5 N/A**
- **Was Ample Opportunity Provided for Input?**
 - **9 Yes 1 No 3 Not Sure 4 N/A**
- **Are You Familiar with the Project Location?**
 - **12 Yes 2 Somewhat 3 No**

Resource Team Interviews

- **How often do you travel through Shelby Farms?**
 - 5 responses - Every Day
 - 1 response – 3 times per week
 - 3 responses – 2 times per week
 - 5 responses – once a week
 - 1 response – twice a month
 - 2 responses – not often
- **What makes this area unique?**
 - Uncommonly large green space located within the city
 - Opportunities for recreational activities
 - Size, openness, and variations in terrain, features and ecology
 - Traffic congestion



Resource Team Interviews

- **What Purposes Should the Roadway Serve?**
 - Improve access and connectivity
 - Relieve congestion
 - Provide N-S route for East Memphis
 - Should not compromise park
- **What Resources are Important?**
 - Aesthetics, park-like environment
 - Natural and topographic features – lakes, streams, meadows, wildlife, birds
 - Recreational facilities – walking and biking trails
 - Park-like atmosphere
 - Accessibility to park
 - Look at both current and future uses

Resource Team Interviews

- **What are the Most Sensitive Issues?**
 - **How will the road affect the area?**
 - **Opposition versus Proponents**
 - **Balancing environmental versus traffic management and safety concerns**
 - **Design parameters**
 - **Noise impacts**
 - **Air quality impacts**



Resource Team Interviews

- **What are the Most Sensitive Areas?**

- **Wetlands and Wolf River**
- **Areas North and East of Farm Road**
- **Bicycle and pedestrian trails**
- **Other park uses**



- **Have You Participated in a Transportation Decision Making Process Before?**

- **6 Yes 11 No**
several with qualifiers

Resource Team Interviews

- **Rate the Following Competing Factors**

(not important - 1, somewhat important - 2, important -3, very important - 4)

1. Provide Safety in Design	3.82
2. Preserve Parkland	3.24
3. Provide Good Traffic Flow	3.06
Maintain Character of Landscape	3.06
5. Provide Access to Park	2.76
6. Minimize Construction Delays	2.65
7. Minimize Cost	2.41

Resource Team Interviews

- **Worst Days for Meetings?**
 - **Tuesdays and Thursdays preferred, Wed. OK**
- **Best Time of Day?**
 - **Morning or Afternoon preferred**



Questions?

